

WHAT IS CLAIMED IS:

1. For use in communicating data over a voice channel between a transmitter and a receiver, a system comprising:

a silence detector, coupled to said transmitter, that identifies a pause in voice traffic that is to be transmitted over said voice channel and generates an interjection signal during said pause; and

a data injector, coupled to said silence detector, that receives said interjection signal and responds by causing said transmitter to transmit data to said receiver over said voice channel.

2. The system as recited in Claim 1 wherein said voice traffic is analog voice traffic.

3. The system as recited in Claim 1 wherein said transmitter is associated with a base station of a cordless telephone and said receiver is associated with a handset of said cordless telephone.

4. The system as recited in Claim 1 wherein said data comprises caller identification data.

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2 8. A method of communicating data over a voice channel
3 between a transmitter and a receiver, comprising:

4 identifying a pause in voice traffic that is to be transmitted
5 over said voice channel; and

6 responding to said pause by causing said transmitter to
7 transmit data to said receiver over said voice channel.

2 9. The method as recited in Claim 8 wherein said voice
3 traffic is analog voice traffic.

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4 10. The method as recited in Claim 8 wherein said transmitter
5 is associated with a base station of a cordless telephone and said
6 receiver is associated with a handset of said cordless telephone.

2 11. The method as recited in Claim 8 wherein said data
3 comprises caller identification data.

2 12. The method as recited in Claim 8 wherein said data
3 comprises menu item selection data.

2 13. The method as recited in Claim 8 wherein said transmitter
3 transmits said voice traffic in frames.

15. A cordless telephone, comprising:

a base station transceiver;

a handset transceiver, said base station and handset transceivers cooperable to establish a voice channel therebetween;

a silence detector, coupled to said base station transceiver, that identifies a pause in voice traffic that is to be transmitted over said voice channel and generates an interjection signal during said pause; and

a data injector, coupled to said silence detector, that receives said interjection signal and responds by causing said base station transceiver to transmit data to said receiver over said voice channel.

16. The cordless telephone as recited in Claim 15 wherein said voice traffic is analog voice traffic.

17. The cordless telephone as recited in Claim 15 wherein said data comprises caller identification data.

18. The cordless telephone as recited in Claim 15 wherein said data comprises menu item selection data.

